

## MDE DATA – July 1, 2018 (Sunday)

The following are surface data from the MDE network. The 8-hr average interpolation also includes HMI, Tolchester Beach, and Downs Park, and also MDE Headquarters data when available. The airnow AQI image is for comparison purposes to the 8-hour concentration interpolation. Additional surface data is available, including SO<sub>2</sub>, CO, VOCs and PM<sub>2.5</sub> at various sites. Meteorology is also available at the majority of MDE sites. The MDE ozone network is the densest of all available network parameters. *\*All data is preliminary.*

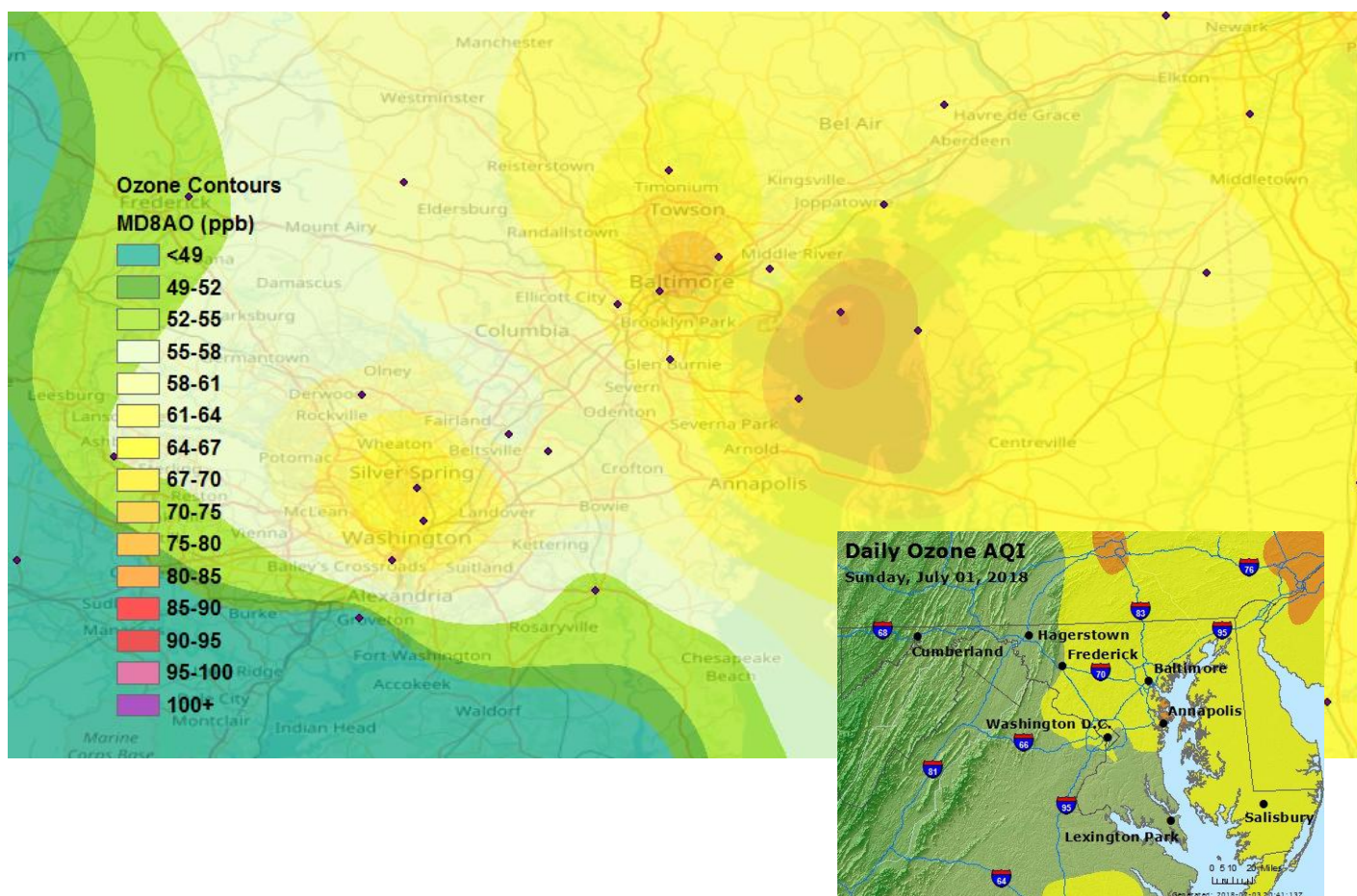
The Baltimore Haze Cam looks north-northeast towards Baltimore/Key Bridge from approximately the Fort Smallwood EGU facility. HMI is off-picture to the right.

### MDE 8-hour ozone interpolation/Airnow

The MDE 8-hour contour map includes 8-hour averages at UMBC, Downs Park, MDE headquarters in Baltimore (when sampling), Tolchester Beach, and Hart-Miller Island. Differences will likely appear between the MDE contours and Airnow. Note: The site “River-Terrace – 110010041” in DC is excluded from these analyses due to suspiciously low ozone values. Dots show sites used to create the interpolation contours. Some are off the image.

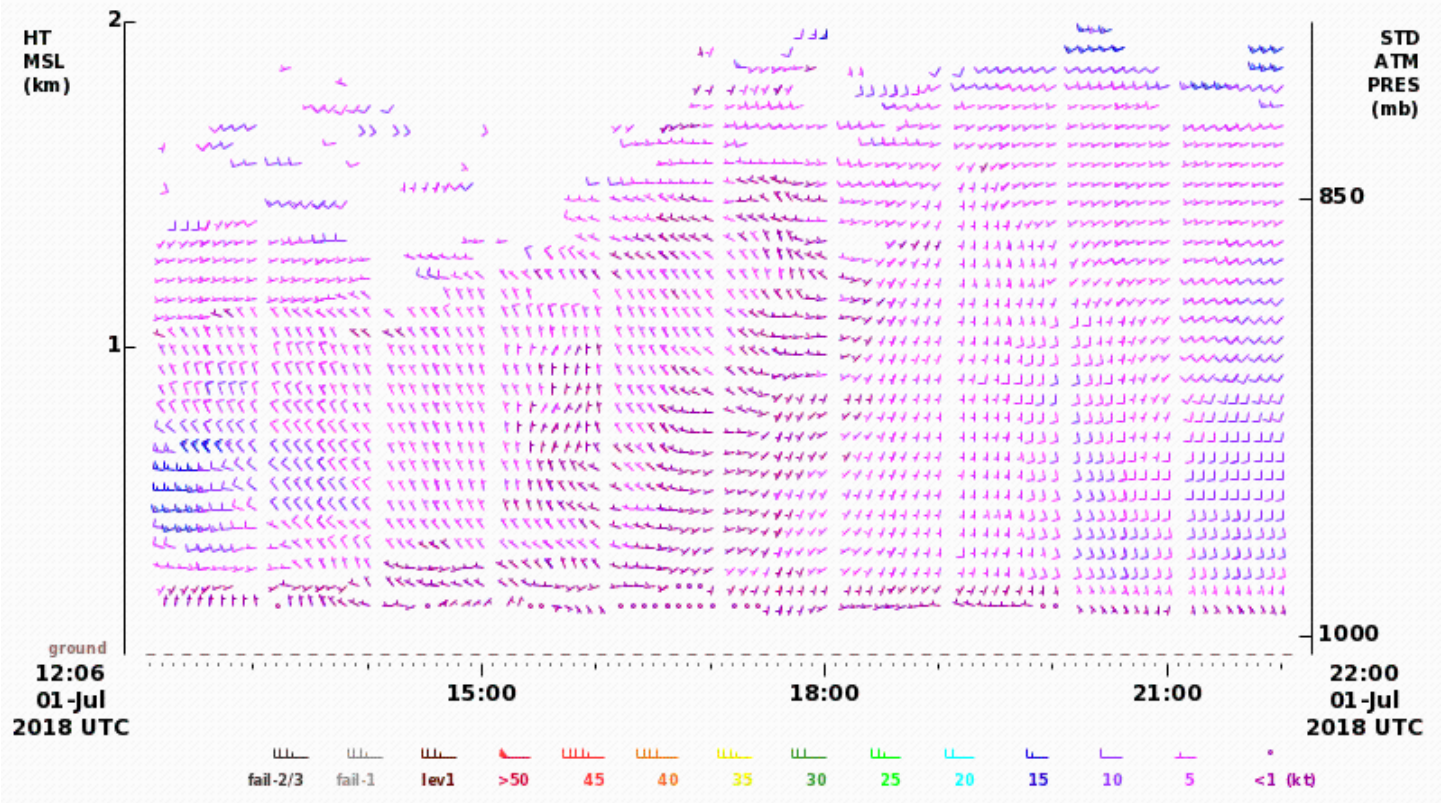
POM at MDE (POM 1192) is offset here by **+4ppb**, based on an end-of-season check against the UMBC ozone analyzer.

Note, the MDE POM and Furley (northeast Baltimore City) measured 70ppb for an 8-hour average. The GIS interpolated an exceedance in downtown Baltimore.





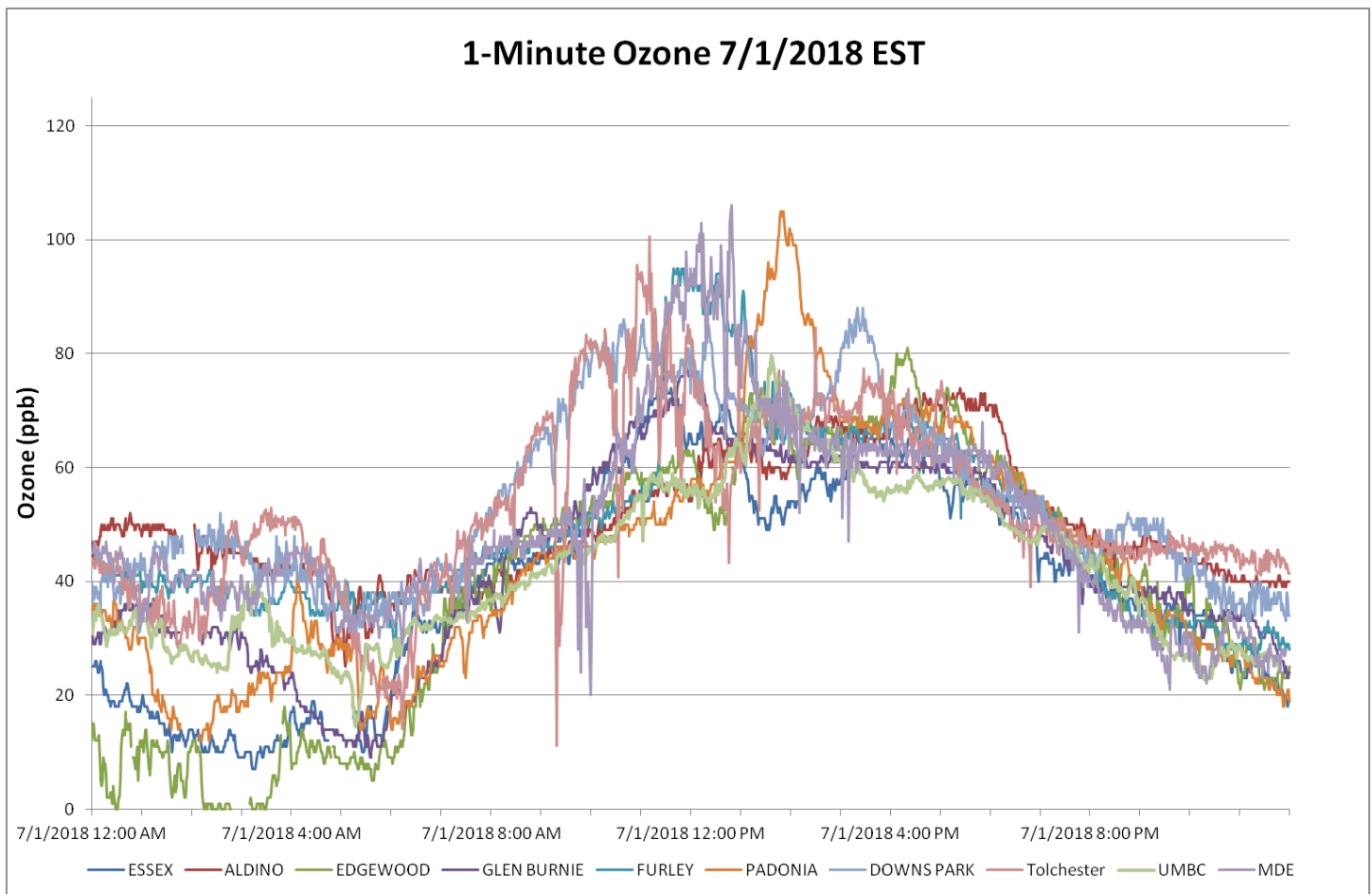
**BLTMD Lat:39.06 Lon:-76.88 Elev:53m**  
**WindSpeedDirection| Mode:194m | Res:6min | QC:LEVEL 2/3**  
**MARYLAND DEPARTMENT OF THE ENVIRONMENT**



The MDE HU-Beltsville radar wind profiler recorded light northwesterly winds during the morning, calming at the surface and changing to southerly winds during the afternoon.

## Minute Ozone

Minute averaged concentrations at MDE network sites including Essex, Aldino, Edgewood, Glen Burnie, Furley, Padonia, and Downs Park. Minute averaged concentrations at non-network sites including Tolchester Beach, UMBC, and MDE Headquarters are included (when available).



## HazeCam (18z/2pm)

